

09/560603

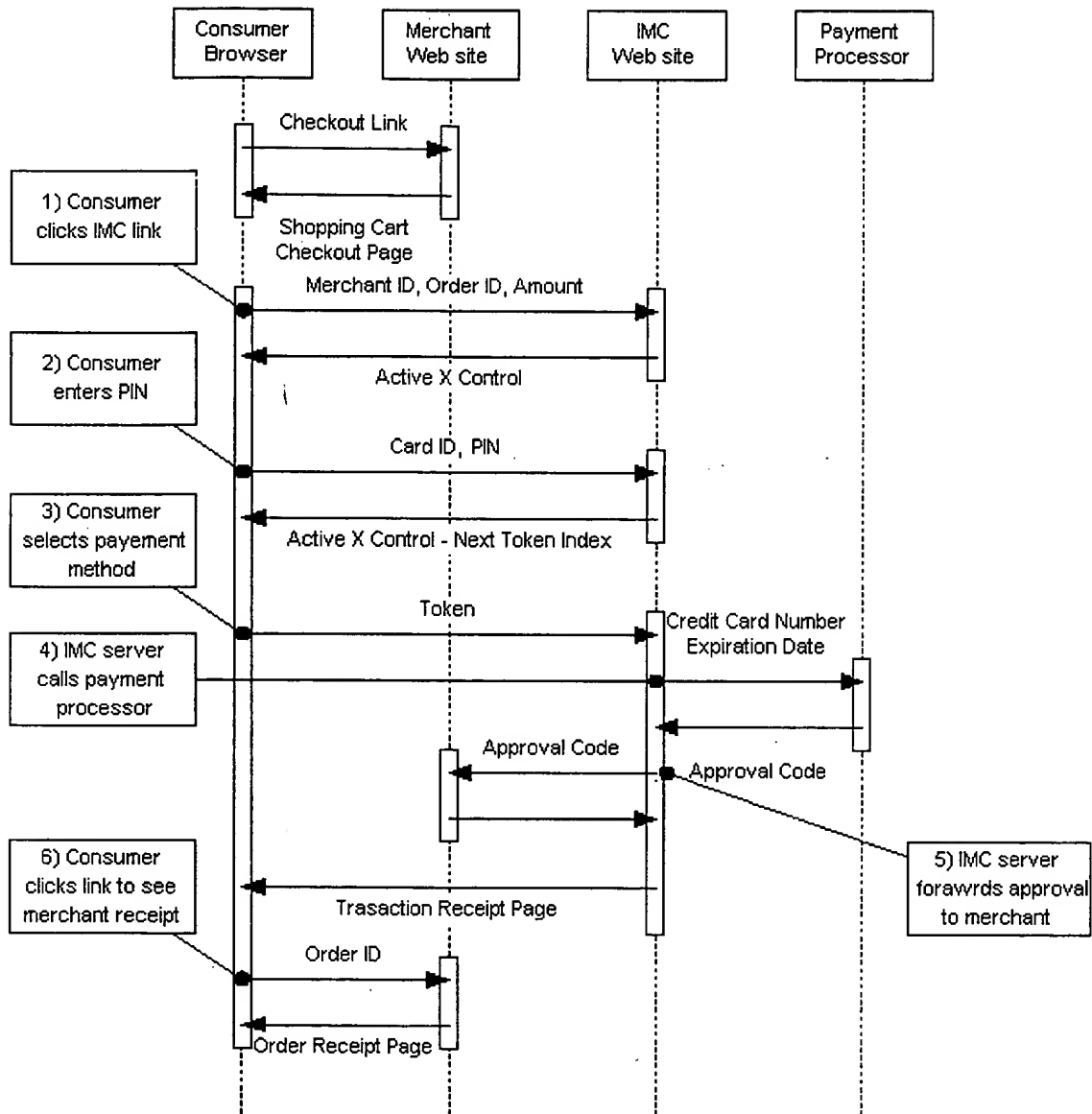


Figure 1

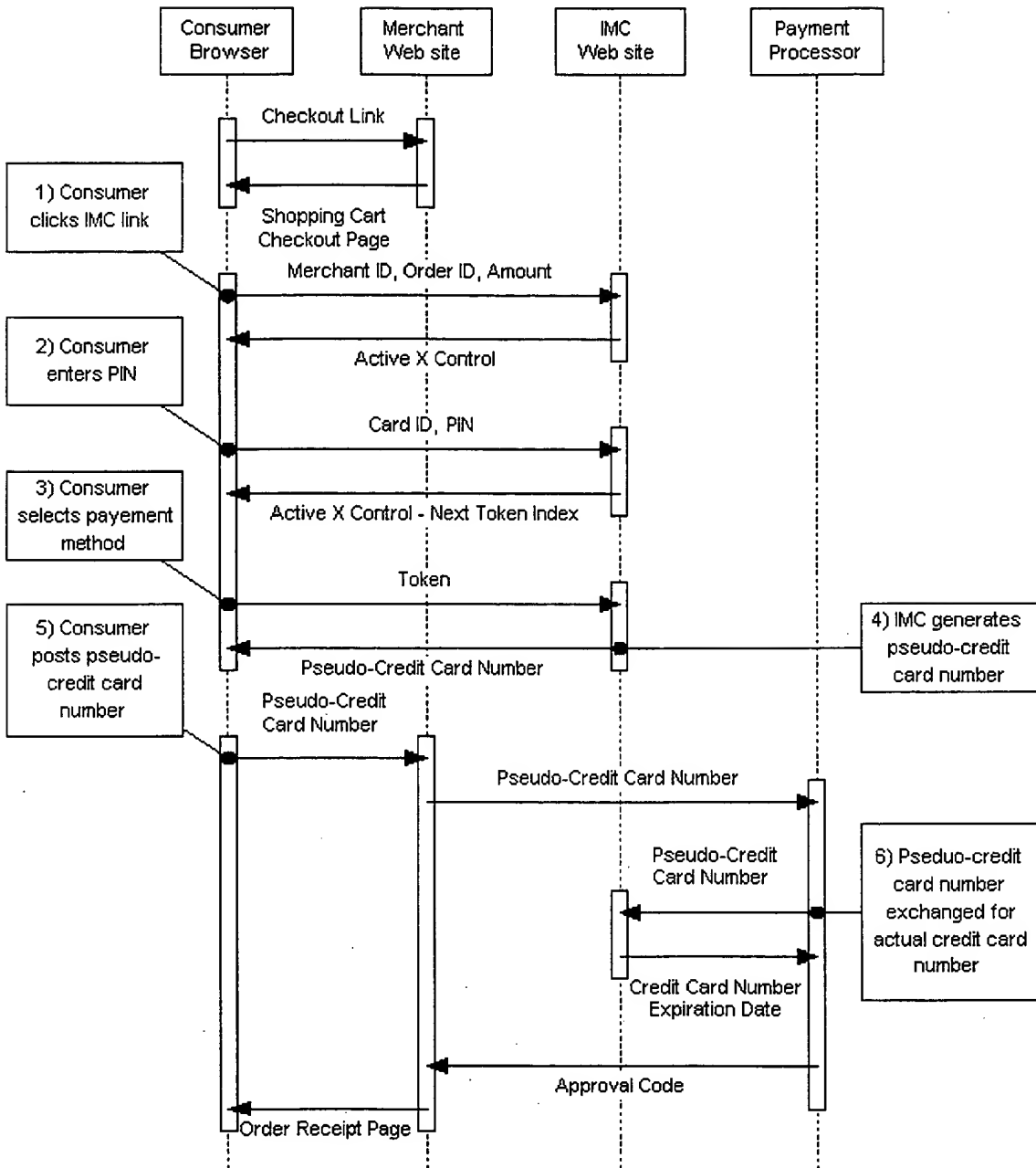
[illegible]

Figure 2

IMC Cardholder Model

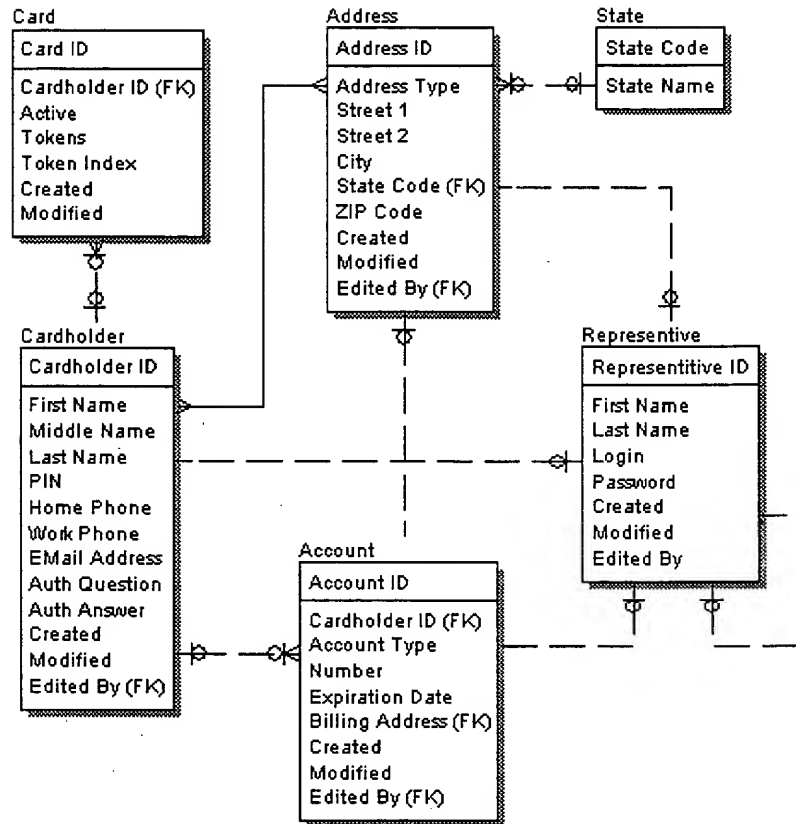


Figure 3

[illegible]Figure 4

IMC Session Model

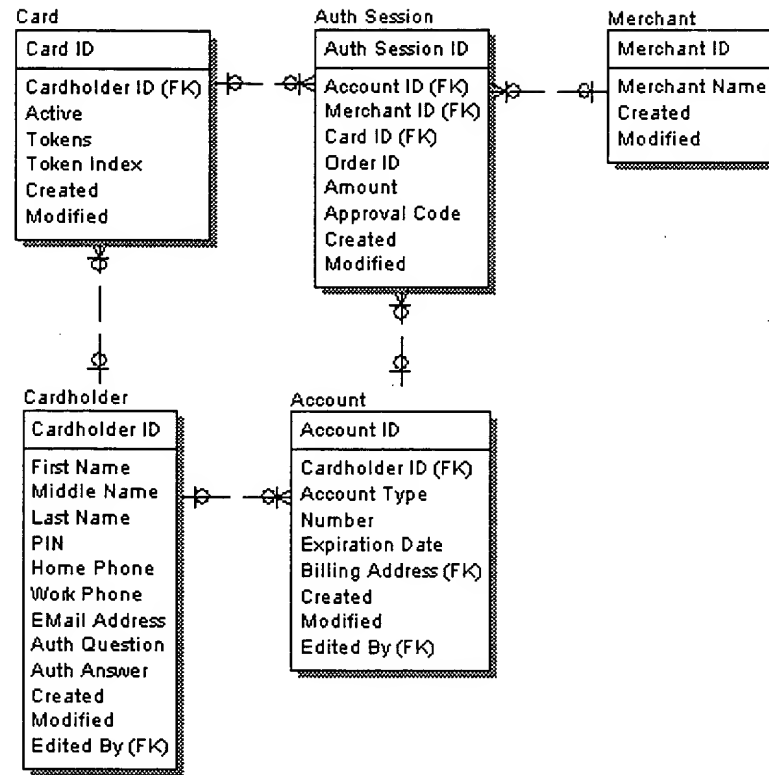


Figure 5

The diagram illustrates a network architecture for a financial institution, divided into a **private side** and a **DMZ** (Demilitarized Zone).

private side

- card production**
operating system: NT
- redundant db servers**
(oracle replication)
- slave** (database)
- db server**
- master** (database)
- db server**
- backend application servers**

DMZ

- operating system:**
OpenBSD, Solaris, or Linux
- frontend web servers**

Network Components and Connections:

- filtering router** (between private side and DMZ)
- application-level firewall** (between private side and DMZ)
- filtering router** (between DMZ and Internet)
- Internet** (cloud icon)
- financial networks** (cloud icon, connected via a lightning bolt with "??")

Notes:

- operating system: Solaris or Linux
- backend application may run on db server hardware at first
- use both a filtering router and an application-level firewall (eg, cisco & gauntlet). "Belt & Suspenders"

Figure 6

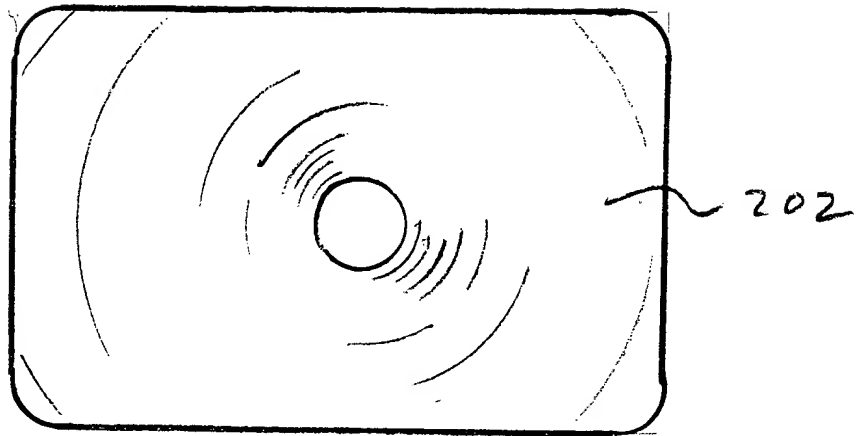


Fig-7

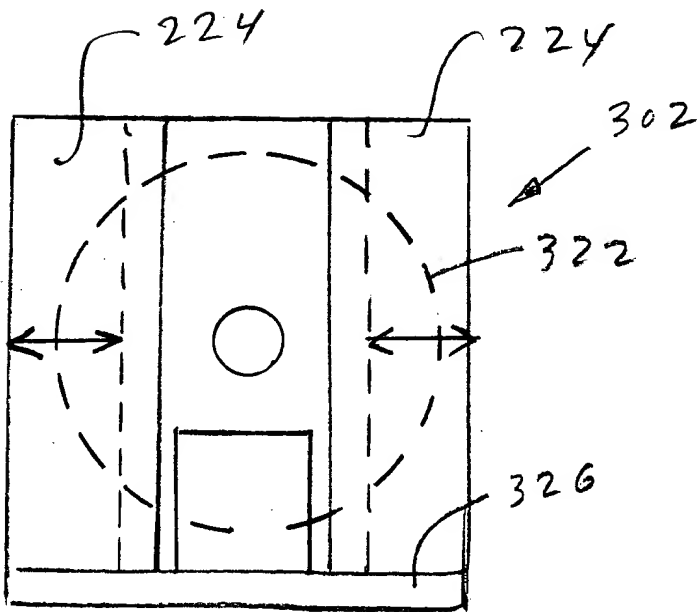


Fig - 8

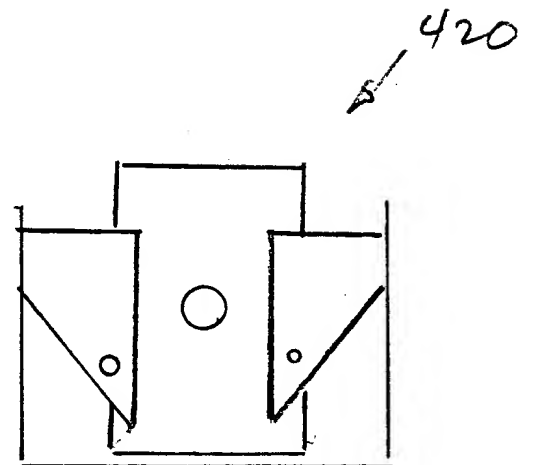
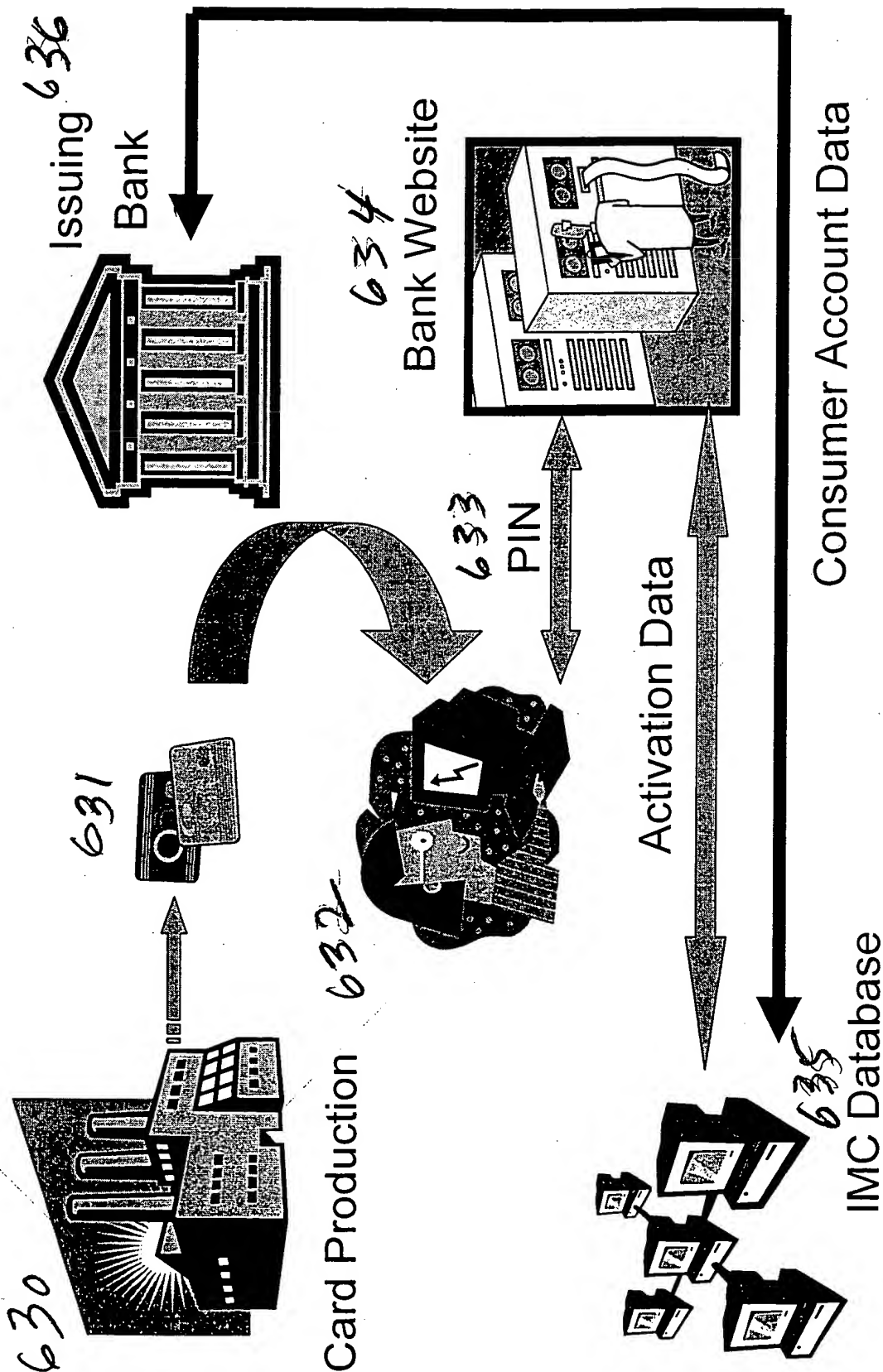


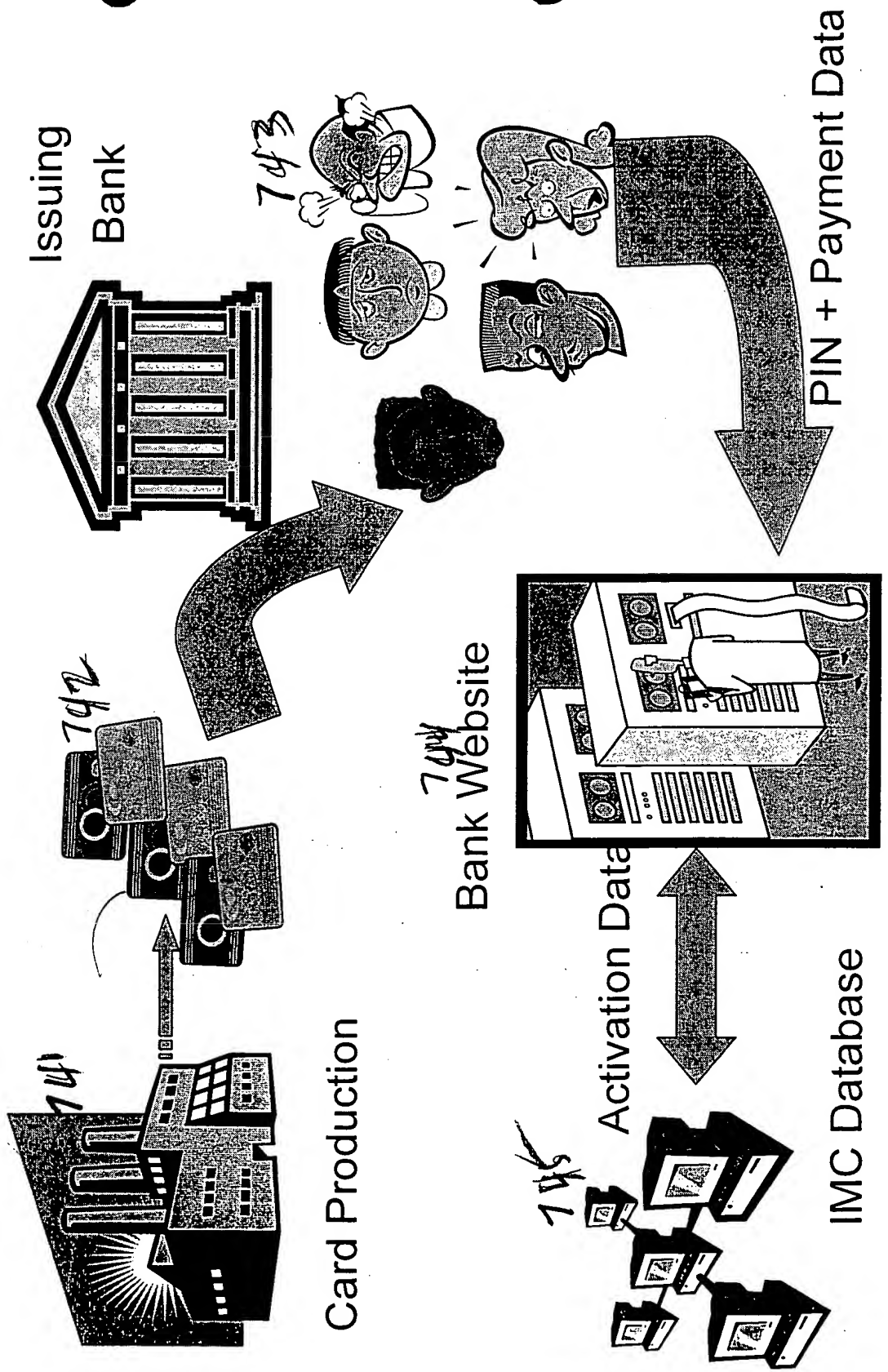
Fig-9

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Fig. 10

Pre-approved or Requested Cards



Mass Mailing of Unactivated Cards



Retail Stored Value Cards

